

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2004/031591

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/031591

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C07C237/40	C07C233/25	C07C235/58	C07C237/20	C07C255/60
	C07C323/42	C07D333/20	A61K31/16	A61K31/33	A61K31/381
	A61P35/00	C07D307/52	C07D409/12	C07D409/14	C07D333/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/024448 A (METHYLGENE) 27 March 2003 (2003-03-27)	82-352, 503
A	claims; examples -----	1,55
X	WO 01/38322 A (METHYLGENE) 31 May 2001 (2001-05-31)	82-352, 503
A	cited in the application page 84, compound 86; pages 94 - 99; page 102; pages 108 - 109; page 112; pages 116 - 127; claims -----	1,55
X	EP 0 847 992 A (MITSUI CHEMICALS) 17 June 1998 (1998-06-17)	82-352, 503
A	cited in the application claims; examples -----	1,55
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

4 February 2005

Date of mailing of the International search report

15/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Zervas, B

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/031591

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/16106 A (SCHERING) 8 March 2001 (2001-03-08) claims; examples -----	82-352, 503 1,55
X	SUZUKI ET AL: "Synthesis and Histone Deacetylase Inhibitory Activity of New Benzamide Derivatives" 1999, JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, PAGE(S) 3001-3003 , XP002158227 ISSN: 0022-2623 the whole document -----	82-352, 503
P, X	WO 03/087057 A (ASTRAZENECA) 23 October 2003 (2003-10-23) claims; examples -----	82-352, 503

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 44-54, 71-81, 101-111, 132-142, 161-171, 190-200, 219-230, 248-258, 276-286, 305-315, 342-352, 367-277, 392-402, 417-427, 442-452, 467-477, 592-502 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/031591

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/031591

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 03024448	A 27-03-2003	BR CA EP WO US US	0212510 A 2465978 A1 1429765 A2 03024448 A2 2004106599 A1 2004142953 A1	24-08-2004 27-03-2003 23-06-2004 27-03-2003 03-06-2004 22-07-2004
WO 0138322	A 31-05-2001	AU CA EP WO JP MX US	1876801 A 2391952 A1 1233958 A1 0138322 A1 2003514904 T PA02005196 A 6541661 B1	04-06-2001 31-05-2001 28-08-2002 31-05-2001 22-04-2003 22-09-2003 01-04-2003
EP 0847992	A 17-06-1998	DE EP EP ES JP JP JP US US US	69729626 D1 1437346 A1 0847992 A1 2218645 T3 3354090 B2 10152462 A 2002332267 A 6794392 B1 2004147569 A1 6174905 B1	29-07-2004 14-07-2004 17-06-1998 16-11-2004 09-12-2002 09-06-1998 22-11-2002 21-09-2004 29-07-2004 16-01-2001
WO 0116106	A 08-03-2001	JP AU AU BG BR CA CN CZ EE WO EP HK HR HU JP NO NZ PL SK US ZA	2001081031 A 773617 B2 6841600 A 106439 A 0013648 A 2382886 A1 1371366 T 20020724 A3 200200097 A 0116106 A1 1208086 A1 1046277 A1 20020182 A2 0203330 A2 2003508386 T 20020952 A 517520 A 353063 A1 2612002 A3 6638530 B1 200201424 A	27-03-2001 27-05-2004 26-03-2001 29-11-2002 07-05-2002 08-03-2001 25-09-2002 17-07-2002 15-04-2003 08-03-2001 29-05-2002 26-11-2004 29-02-2004 28-02-2003 04-03-2003 20-03-2002 30-05-2003 06-10-2003 10-09-2002 28-10-2003 02-09-2002
WO 03087057	A 23-10-2003	BR CA EP WO	0308875 A 2480356 A1 1495002 A1 03087057 A1	04-01-2005 23-10-2003 12-01-2005 23-10-2003